

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
Dresden Nuclear Power Station, Unit 2DOCKET NUMBER (2)
0 5 0 0 0 2 3 7PAGE (3)
1 OF 0 2TITLE (4)
Reactor Scram

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)															
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES	DOCKET NUMBER(S)														
0	5	0	3	8	5	8	5	0	2	1	0	0	0	5	2	8	8	5	N/A	0	5	0	0	0
										N/A	0		5	0	0	0								

OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)									
POWER LEVEL (10)	0 0 0	20.405(a)		20.405(c)		X		50.73(a)(2)(iv)		73.71(b)	
		20.405(a)(1)(i)		50.36(a)(1)				50.73(a)(2)(v)		73.71(c)	
		20.405(a)(1)(ii)		50.36(a)(2)				50.73(a)(2)(vii)		OTHER (Specify in Abstract below and in Text, NRC Form 366A)	
		20.405(a)(1)(iii)		50.73(a)(2)(i)				50.73(a)(2)(viii)(A)			
		20.405(a)(1)(iv)		50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)			
		20.405(a)(1)(v)		50.73(a)(2)(iii)				50.73(a)(2)(x)			

LICENSEE CONTACT FOR THIS LER (12)
NAME
Ronald Jackson (X-549)TELEPHONE NUMBER
AREA CODE
8 1 5 9 4 2 - 2 9 2 0

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)									
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS
X				N					

SUPPLEMENTAL REPORT EXPECTED (14)
YES (If yes, complete EXPECTED SUBMISSION DATE) X NO
EXPECTED SUBMISSION DATE (15)
MONTH DAY YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single space typewritten lines) (16)

While the unit was in the shutdown mode a reactor scram occurred from intermediate range monitors (IRM) 13 and 15 hi-hi condition. Immediately after resetting the initial scram, a second scram occurred. Safety significance was minimal since all protective systems operated as designed.

The cause of the event is attributed to spurious radio repeater signals entering into the SRM/IRM pre-amplifier cabinet. The cabinet was open while an Instrument Mechanic was performing work in SRM 21 under work request #43640. The radio repeater is located in the line of sight of the SRM/IRM pre-amplifier's cabinet. If a radio is keyed while the cabinet door is open, spurious signals can enter into the cabinet and cause erroneous hi-hi alarms, resulting in a reactor scram. Both scrams have been attributed to this cause.

The last occurrence of this type was reported by LER #84-02 on Docket #05024.

B506070134
PDR ADOCK
S 850528
05000237
PDRIE 22
11

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (5)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Dresden Nuclear Power Station, Unit 2	0 5 0 0 0 2 3 7	8 5	— 0 2 1	— 0 0	0 2	OF	0 2

TEXT (If more space is required, use additional NRC Form 366A's) (17)

While the unit was in the shutdown mode a reactor scram occurred from intermediate range monitors (IRM) 13 and 15 hi-hi condition. Immediately after resetting the initial scram, a second scram occurred. This event was caused by spurious radio repeater signals entering into the SRM/IRM pre-amplifier cabinet while the Instrument Maintenance Department was troubleshooting SRM 21 per work request #43640. The radio repeater is located in the line of sight of the SRM/IRM pre-amplifier's cabinet. If a radio is keyed while the cabinet door is open, spurious signals can enter into the cabinet and cause erroneous hi-hi conditions, resulting in a reactor scram. Both scrams have been attributed to these stray RF signals.

Modification package M12-2-84-155 had been submitted for relocation of the radio repeaters but has not been completed.

This event was of minimal safety significance since all protective systems operated as designed. If the unit was at normal power, this event would have not occurred due to the design of the SRM and IRM systems which monitor the core power during the reactor startup and shutdown mode of operation. The last occurrence of this type was reported by LER #84-02 on Docket #050249.



Commonwealth Edison

Dresden Nuclear Power Station

R.R. #1

Morris, Illinois 60450

Telephone 815/942-2920

May 28, 1985

DJS Ltr #85-577

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Licensee Event Report #85-021-0, Docket #050237 is being submitted as required by Technical Specification 6.6, NUREG 1022 and 10 CFR 50.73 (a)(2)(iv).

D.J. Scott
Station Manager
Dresden Nuclear Power Station

DJS/kjl

Enclosure

cc: J.G. Keppler, Regional Administrator, Region III
File/NRC
File/Numerical

TE22
1/1